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/* 50 CSS Tricks to Master in 2025 */
/* Created by Dhanian @e_opore on X */

/* 1. Centering an element using Flexbox */
.center-flex {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}

/* 2. Equal height columns with Flexbox */
.equal-columns {
  display: flex;
  flex-direction: row;
}

.column {
  flex: 1;
  padding: 20px;
}

/* 3. Create a responsive grid layout */
.responsive-grid {
  display: grid;
  grid-template-columns: repeat(auto-fill, minmax(200px, 1fr));
  gap: 20px;
}

/* 4. Animating a button on hover */
.button-hover:hover {
  transform: scale(1.1);
  transition: transform 0.3s ease-in-out;
}

/* 5. Create a full-screen hero section */
.hero {
  height: 100vh;
  background-image: url('path/to/image.jpg');
  background-size: cover;
  background-position: center;
  display: flex;
  justify-content: center;
  align-items: center;
}

/* 6. Custom scrollbar */
.custom-scrollbar {
  scrollbar-width: thin;
  scrollbar-color: #888 #ccc;
}
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/* 7. Make a circular element */
.circle {
  width: 100px;
  height: 100px;
  border-radius: 50%;
  background-color: #3498db;
}

/* 8. Parallax scrolling effect */
.parallax {
  background-image: url('background.jpg');
  background-attachment: fixed;
  background-position: center;
  background-size: cover;
  height: 100vh;
}

/* 9. Sticky header */
.sticky-header {
  position: sticky;
  top: 0;
  background-color: #333;
  color: white;
  padding: 10px;
  z-index: 1000;
}

/* 10. Responsive images */
.responsive-image {
  max-width: 100%;
  height: auto;
}
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## Code Block 2: Advanced Styling and Custom Elements

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/* 11. Box-shadow effect */
.shadow-effect {
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
}

/* 12. Responsive font size */
.responsive-font {
  font-size: calc(16px + 1vw);
}

/* 13. Gradient background */
.gradient-background {
  background: linear-gradient(to right, #f06, #4a90e2);
}

/* 14. CSS Grid with named areas */
.grid-areas {
  display: grid;
  grid-template-areas:
    'header header header'
    'sidebar content content'
    'footer footer footer';
}

/* 15. Fade in on page load */
.fade-in {
  opacity: 0;
  animation: fadeIn 2s forwards;
}

@keyframes fadeIn {
  to {
    opacity: 1;
  }
}

/* 16. Custom checkbox styling */
.custom-checkbox input[type="checkbox"] {
  display: none;
}

.custom-checkbox input[type="checkbox"] + label {
  position: relative;
  padding-left: 30px;
}

.custom-checkbox input[type="checkbox"] + label:before {
  content: '';
  position: absolute;
}

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left: 0;
top: 0;
width: 20px;
height: 20px;
border: 2px solid #000;
border-radius: 5px;
}

/* 17. Custom radio button */
.custom-radio input[type="radio"] {
  display: none;
}

.custom-radio input[type="radio"] + label:before {
  content: '';
  display: inline-block;
  width: 20px;
  height: 20px;
  border-radius: 50%;
  border: 2px solid #000;
  margin-right: 10px;
}

/* 18. Image overlay with text */
.image-overlay {
  position: relative;
  display: inline-block;
}

.image-overlay img {
  width: 100%;
  height: auto;
}

.image-overlay .overlay {
  position: absolute;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0;
  background-color: rgba(0, 0, 0, 0.5);
  color: white;
  display: flex;
  justify-content: center;
  align-items: center;
  opacity: 0;
  transition: opacity 0.3s;
}

.image-overlay:hover .overlay {
  opacity: 1;
}
```

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/* 21. CSS Transitions */
.transition-example {
    background-color: #4CAF50;
    transition: background-color 0.5s ease;
}

.transition-example:hover {
    background-color: #45a049;
}

/* 22. Floating labels */
.floating-label {
    position: relative;
    margin: 20px 0;
}

.floating-label input {
    width: 100%;
    padding: 10px;
    font-size: 16px;
    border: 1px solid #ccc;
    border-radius: 4px;
}

.floating-label label {
    position: absolute;
    top: 10px;
    left: 10px;
    font-size: 16px;
    transition: 0.3s;
}

.floating-label input:focus + label,
.floating-label input:not(:placeholder-shown) + label {
    top: -10px;
    left: 10px;
    font-size: 12px;
}

/* 23. CSS Grid for layout */
.grid-layout {
    display: grid;
    grid-template-columns: repeat(3, 1fr);
    gap: 10px;
}

.grid-item {
    padding: 20px;
    background-color: #f0f0f0;
```

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}

/* 24. CSS Masking */
.masked {
  width: 300px;
  height: 300px;
  background-image: url('image.jpg');
  mask-image: radial-gradient(circle, rgba(0, 0, 0, 1) 50%, rgba(0, 0, 0, 0) 100%);
}

/* 25. CSS Variables */
:root {
  --primary-color: #3498db;
}

.variable-style {
  background-color: var(--primary-color);
  color: white;
  padding: 20px;
}

/* 26. Image Zoom Effect */
.zoom-effect {
  overflow: hidden;
}

.zoom-effect img {
  transition: transform 0.5s ease;
}

.zoom-effect:hover img {
  transform: scale(1.2);
}

/* 27. Border animation */
.border-animation {
  border: 3px solid transparent;
  background-image: linear-gradient(white, white),
    linear-gradient(to left, #ff7e5f, #feb47b);
  background-origin: border-box;
  background-clip: content-box, border-box;
  transition: background 0.5s ease;
}

.border-animation:hover {
  background-image: linear-gradient(white, white),
    linear-gradient(to left, #42a5f5, #478ed1);
}

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/* 28. Vertical text */
.vertical-text {
  writing-mode: vertical-rl;
  transform: rotate(180deg);
}

/* 29. Horizontal scroll */
.scroll-horizontal {
  overflow-x: scroll;
  white-space: nowrap;
}

.scroll-horizontal div {
  display: inline-block;
  width: 200px;
  margin: 10px;
}

/* 30. Create a toast notification */
.toast {
  position: fixed;
  bottom: 20px;
  right: 20px;
  background-color: #333;
  color: white;
  padding: 10px 20px;
  border-radius: 5px;
  box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);
  opacity: 0;
  animation: showToast 3s forwards;
}

@keyframes showToast {
  0% {
    opacity: 0;
    transform: translateY(20px);
  }
  100% {
    opacity: 1;
    transform: translateY(0);
  }
}

/* 31. CSS Shapes */
.shape {
  width: 100px;
  height: 100px;
  background-color: #3498db;
  clip-path: polygon(50% 0%, 100% 100%, 0% 100%);
```

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}

/* 32. Custom tooltips */
.tooltip {
  position: relative;
  display: inline-block;
}

.tooltip .tooltiptext {
  visibility: hidden;
  width: 120px;
  background-color: #555;
  color: #fff;
  text-align: center;
  border-radius: 5px;
  padding: 5px 0;
  position: absolute;
  z-index: 1;
  bottom: 125%; /* Position above the tooltip text */
  left: 50%;
  margin-left: -60px;
  opacity: 0;
  transition: opacity 0.3s;
}

.tooltip:hover .tooltiptext {
  visibility: visible;
  opacity: 1;
}

/* 33. Transparent background */
.transparent-background {
  background-color: rgba(255, 255, 255, 0.5);
}

/* 34. CSS only lightbox */
.lightbox {
  display: none;
}

.lightbox:checked + .modal {
  display: block;
}

.modal {
  position: fixed;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  background-color: rgba(0, 0, 0, 0.7);
}
```